

6BJ3

Half-Wave Vacuum Rectifier

DUODECAR TYPE

Electrical:

Heater Characteristics and Ratings (*Design-Maximum Values*):

Voltage (AC or DC). 6.3 ± 0.6 volts
Current at heater volts = 6.3. 1.200 amp

Peak heater-cathode voltage:

Heater negative with respect to cathode^a 3300^bmax. volts

Heater positive with respect to cathode 300^cmax. volts

Direct Interelectrode Capacitances

(Approx.):^d

K to (P,H). 8.0 pf

P to (K,H). 5.5 pf

H to K. 2.7 pf

Mechanical:

Operating Position. Any

Type of Cathode Coated Unipotential

Maximum Overall Length. 2.625"

Seated Length 2.000" to 2.250"

Diameter. 1.062" to 1.188"

Bulb. T9

Base. Small-Button Duodecar 12-Pin (JEDEC No. E12-70)

Basing Designation for BOTTOM VIEW. 12BL

Pin 1-Heater

Pin 2-No Internal Connection

Pin 3-Same as Pin 2

Pin 4-Plate

Pin 5-Do Not Use^e

Pin 6-Do Not Use^e

Pin 7-Cathode

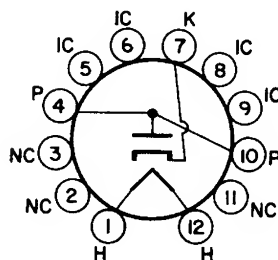
Pin 8-Do Not Use^e

Pin 9-Do Not Use^e

Pin 10-Plate

Pin 11-Same as Pin 2

Pin 12-Heater



DAMPER SERVICE

Maximum Ratings, *Design-Maximum Values*:

For operation in a 525-line, 30-frame system^f

Peak Inverse Plate Voltage^a. 3300 max. volts

Peak Plate Current 840 max. ma

DC Plate Current 140 max. ma

Plate Dissipation. 4 max. watts

Characteristics, *Instantaneous Value*.

Tube Voltage Drop for plate

ma. = 250. 21 volts



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Electronic Components and Devices
Harrison, N. J.

DATA
6-64

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- a This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.
- b The dc component must not exceed 600 volts.
- c The dc component must not exceed 100 volts.
- d Without external shield.
- e Socket terminals 5, 6, 8 and 9 should not be used at tie points.
- f As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

